

2108, 2120-2338, 2339, 2344, 2349, 2354, 2359, 2364, 2366, 2368, 2370, 2372, 2384-2460, 2461, 2466, 2471, 2476 and 2481; and a double stranded ribonucleotide sequence produced from the expression of a polynucleotide sequence, wherein contact of said ribonucleotide sequence by a pest inhibits the growth of said pest.

2. The ribonucleotide sequence of claim 1, wherein contact of said sequence inhibits expression of a nucleotide sequence substantially complementary to said sequence.

3. A cell transformed with a polynucleotide of any of claim 1.

4. The cell of claim 3, wherein said cell is a bacterial, yeast, or algal cell.

5. A food product comprising the cell of claim 4.

6. The food product of claim 5, wherein said food product is selected from the group consisting of stored grains, pet food, and powdered chocolate.

7. A composition comprising the polynucleotide of claim 1.

8. The composition of claim 7, wherein said composition is selected from the group consisting of a spray, powder, pellet, gel, capsule, food product, garment bag, and book.

9. A method for controlling pest infestation, comprising exposing a pest to a composition comprising a polynucleotide sequence that inhibits a pest biological activity.

10. The method of claim 9, wherein said polynucleotide sequence is set forth in any of SEQ ID NOs: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 49-158, 159, 160, 163, 168, 173, 178, 183, 188, 193, 198, 203, 208, 215, 220, 225, 230, 247, 249, 251, 253, 255, 257, 259, 275-472, 473, 478, 483, 488, 493, 498, 503, 513, 515, 517, 519, 521, 533-575, 576, 581, 586,

591, 596, 601, 603, 605, 607, 609, 621-767, 768, 773, 778, 783, 788, 793, 795, 797, 799, 801, 813-862, 863, 868, 873, 878, 883, 888, 890, 892, 894, 896, 908-1040, 1041, 1046, 1051, 1056, 1061, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1161 to 1571, 1572, 1577, 1582, 1587, 1592, 1597, 1602, 1607, 1612, 1617, 1622, 1627, 1632, 1637, 1642, 1647, 1652, 1657, 1662, 1667, 1672, 1677, 1682, 1684, 1686, 1688, 1690, 1692, 1694, 1696, 1698, 1700, 1702, 1704, 1730-2039, 2040, 2045, 2050, 2055, 2060, 2065, 2070, 2075, 2080, 2085, 2090, 2095, 2100, 2102, 2104, 2106, 2108, 2120-2338, 2339, 2344, 2349, 2354, 2359, 2364, 2366, 2368, 2370, 2372, 2384-2460, 2461, 2466, 2471, 2476 and 2481.

11. A pesticide comprising a polynucleotide of claim 1.

12. A method for protecting an object from pest infestation, comprising treating the surface of said object with a composition comprising a polynucleotide of claim 1.

13. The method of claim 12, wherein said object is selected from the group consisting of wood, tree, book binding, cloth, and a food storage container.

14. A method for preventing or treating an insect infestation comprising administering a composition according to claim 7.

15. A method for preventing or treating a nematode infestation comprising administering a composition according to claim 7.

16. A method for preventing or treating a fungal infection comprising administering a composition according to claim 7.

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